



FIG. 2

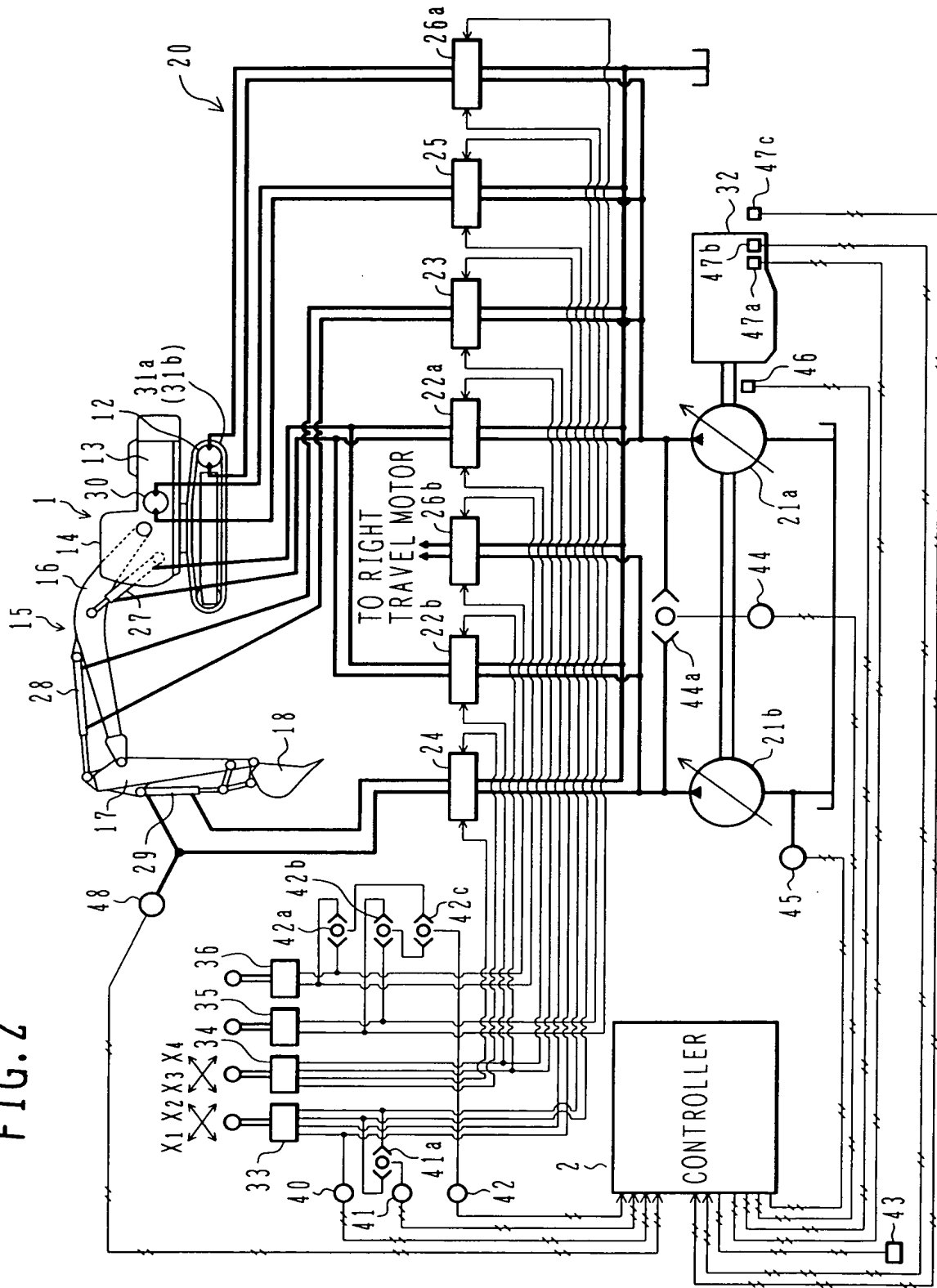


FIG. 3

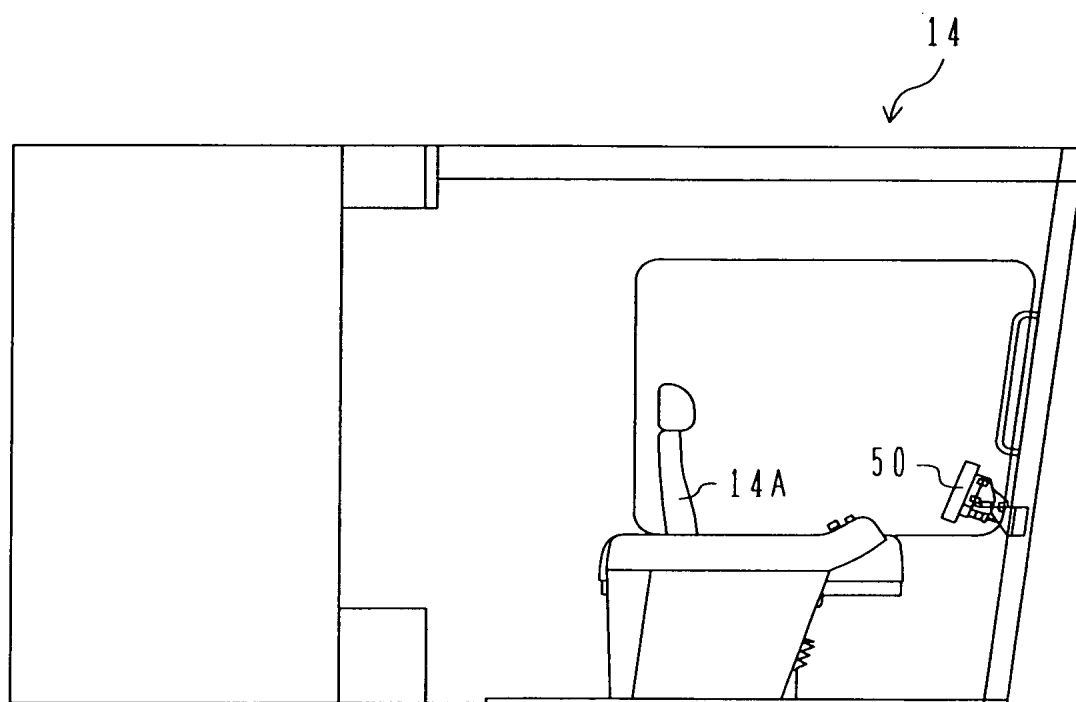


FIG. 4

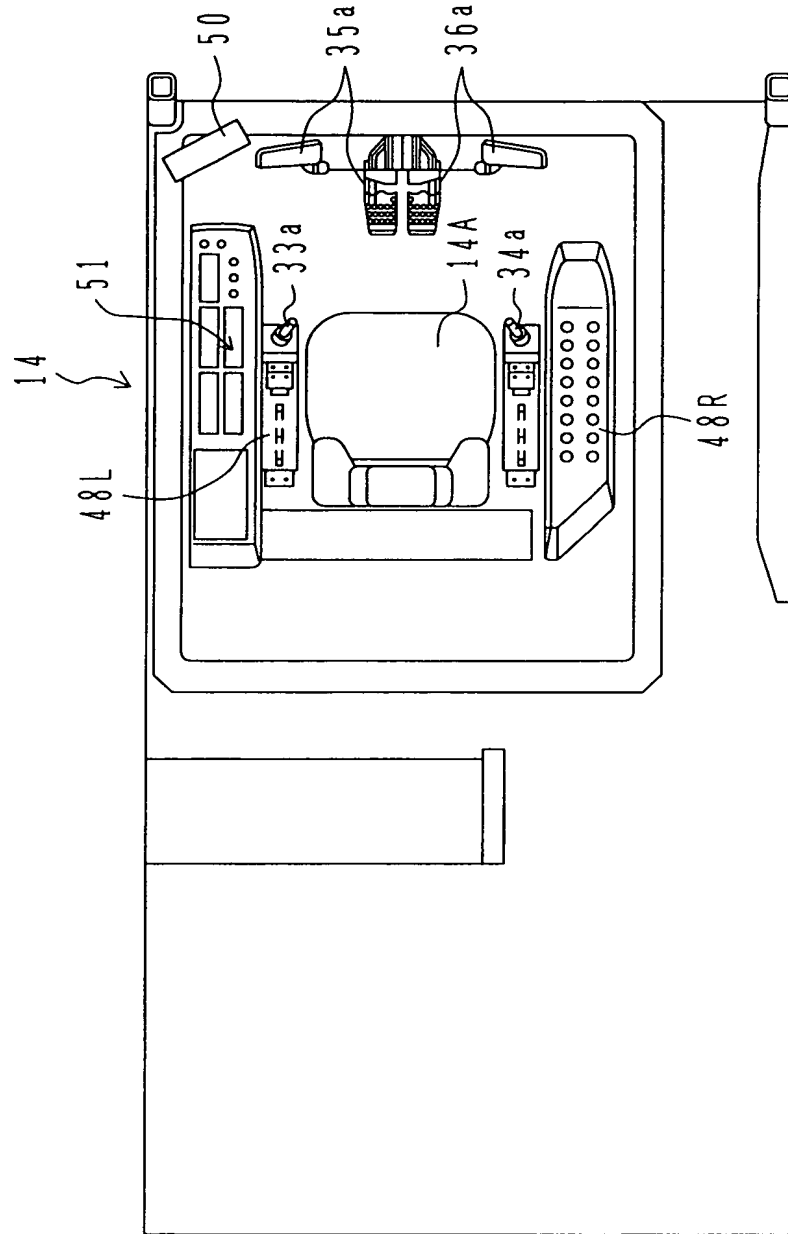


FIG. 5

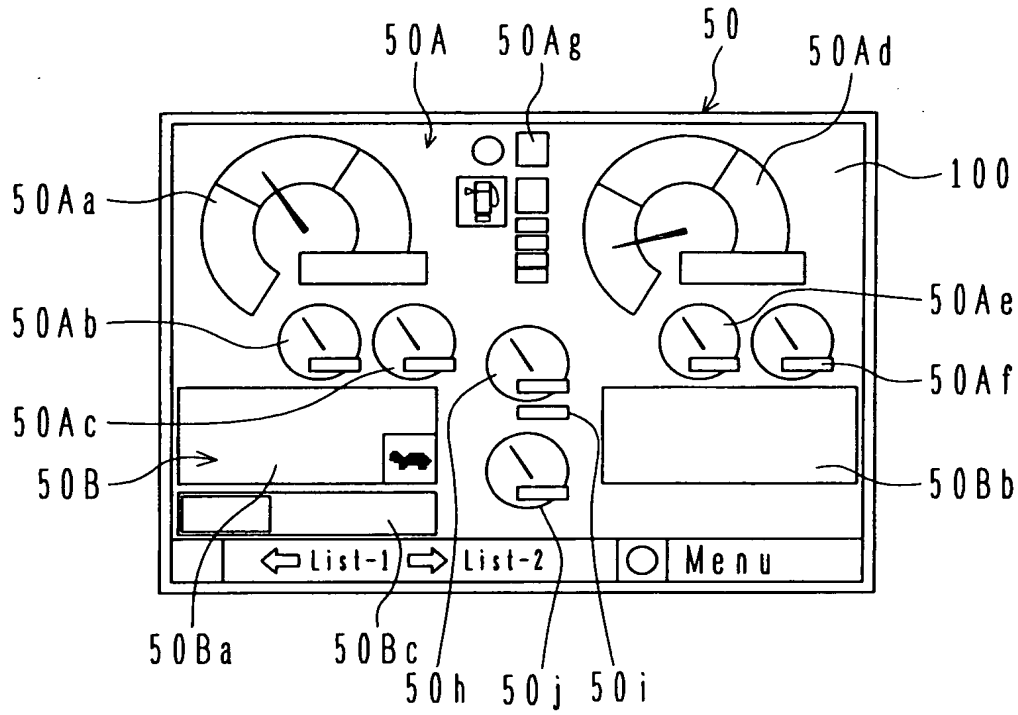


FIG. 6

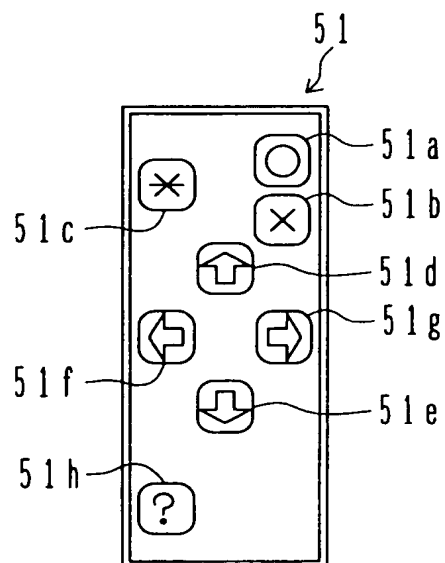


FIG. 7

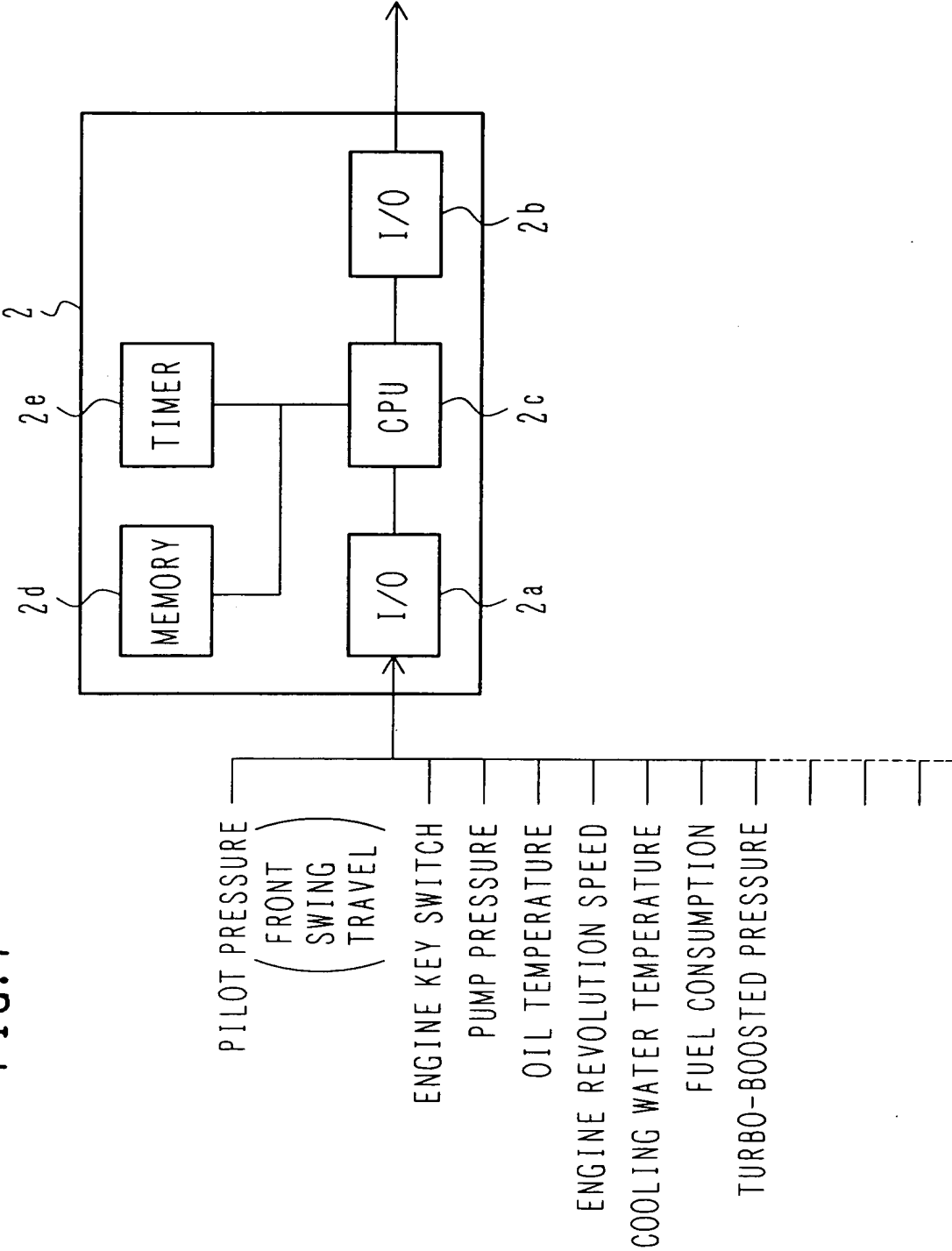


FIG. 8

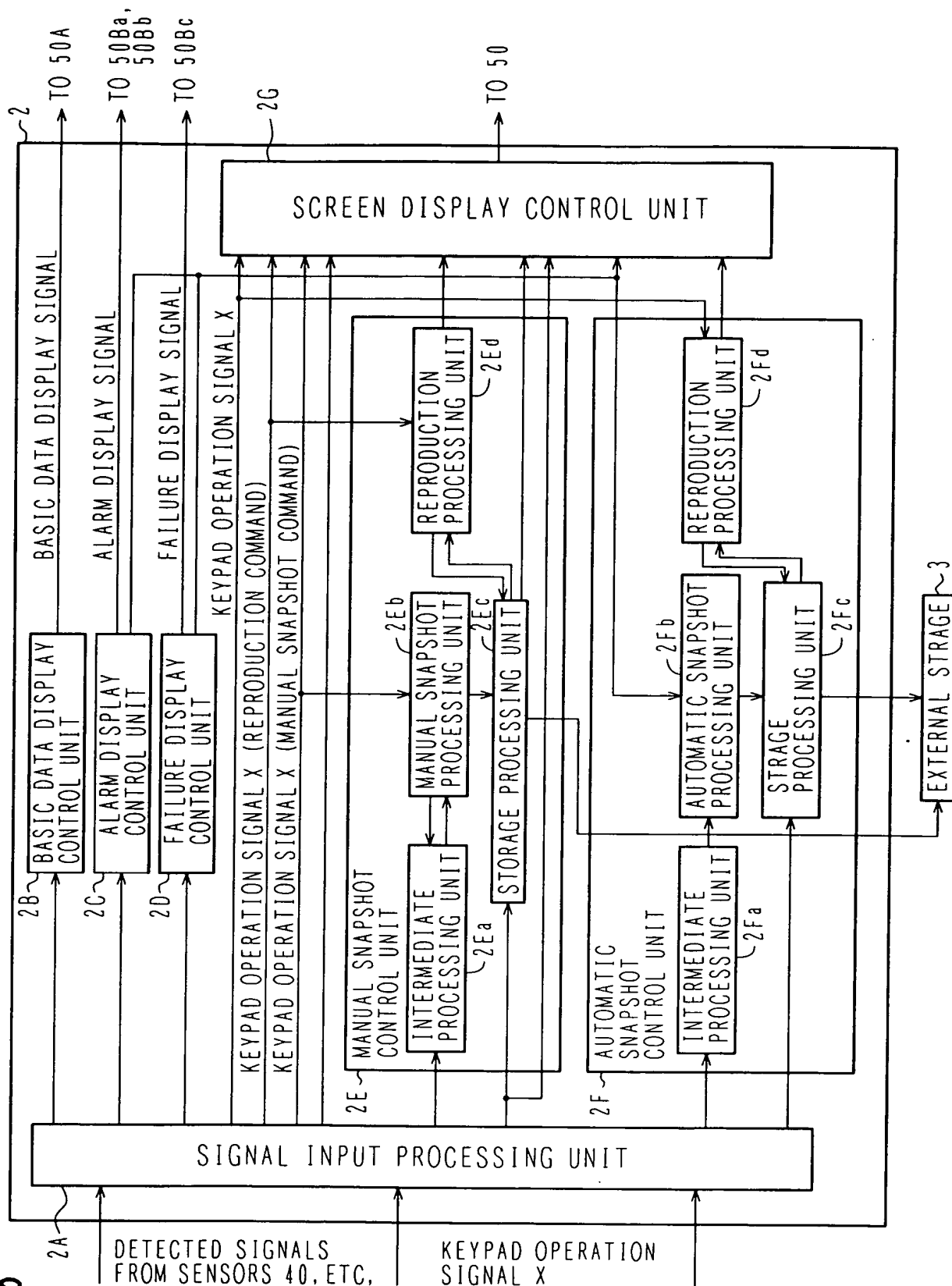


FIG. 9

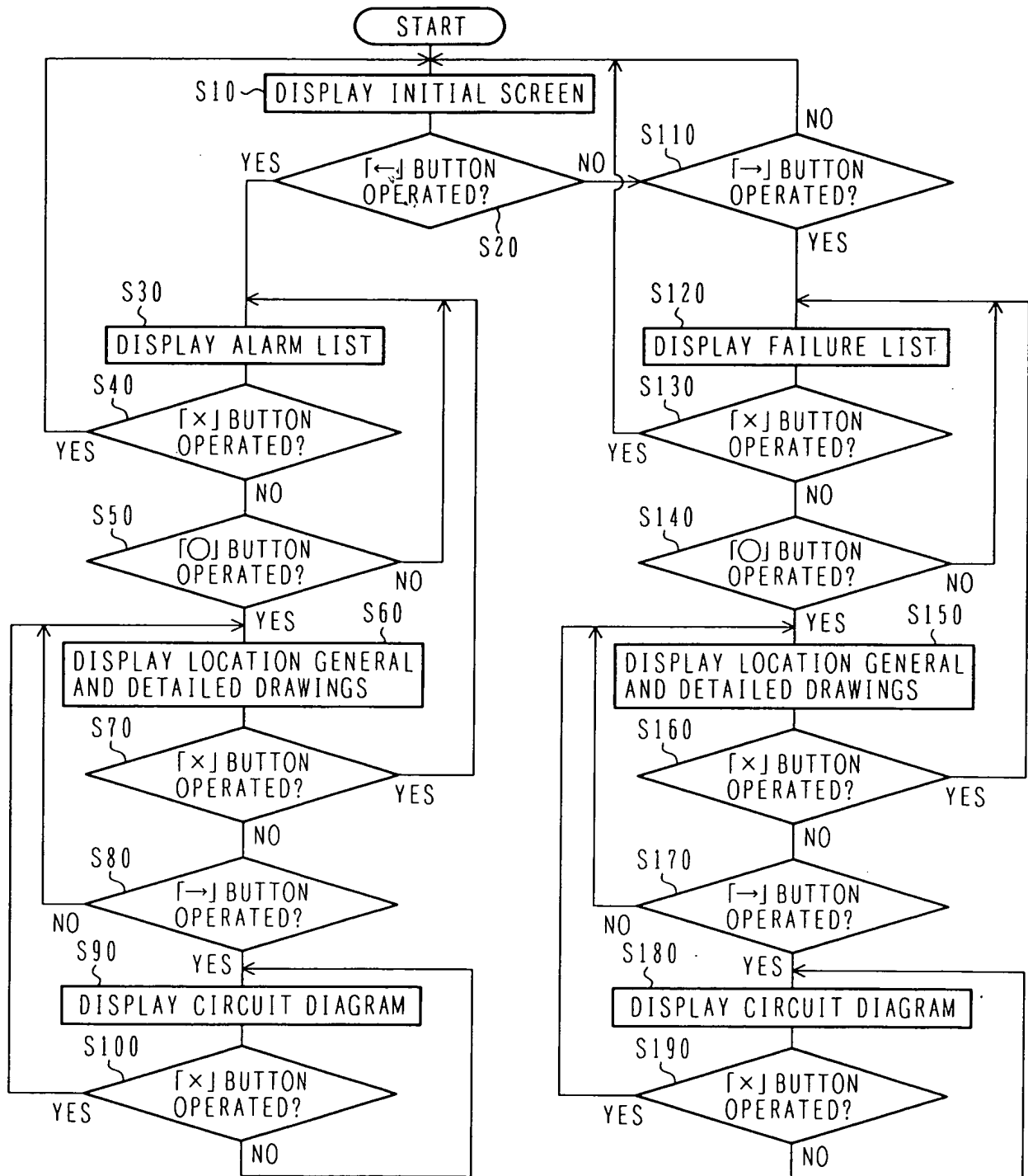




FIG. 10

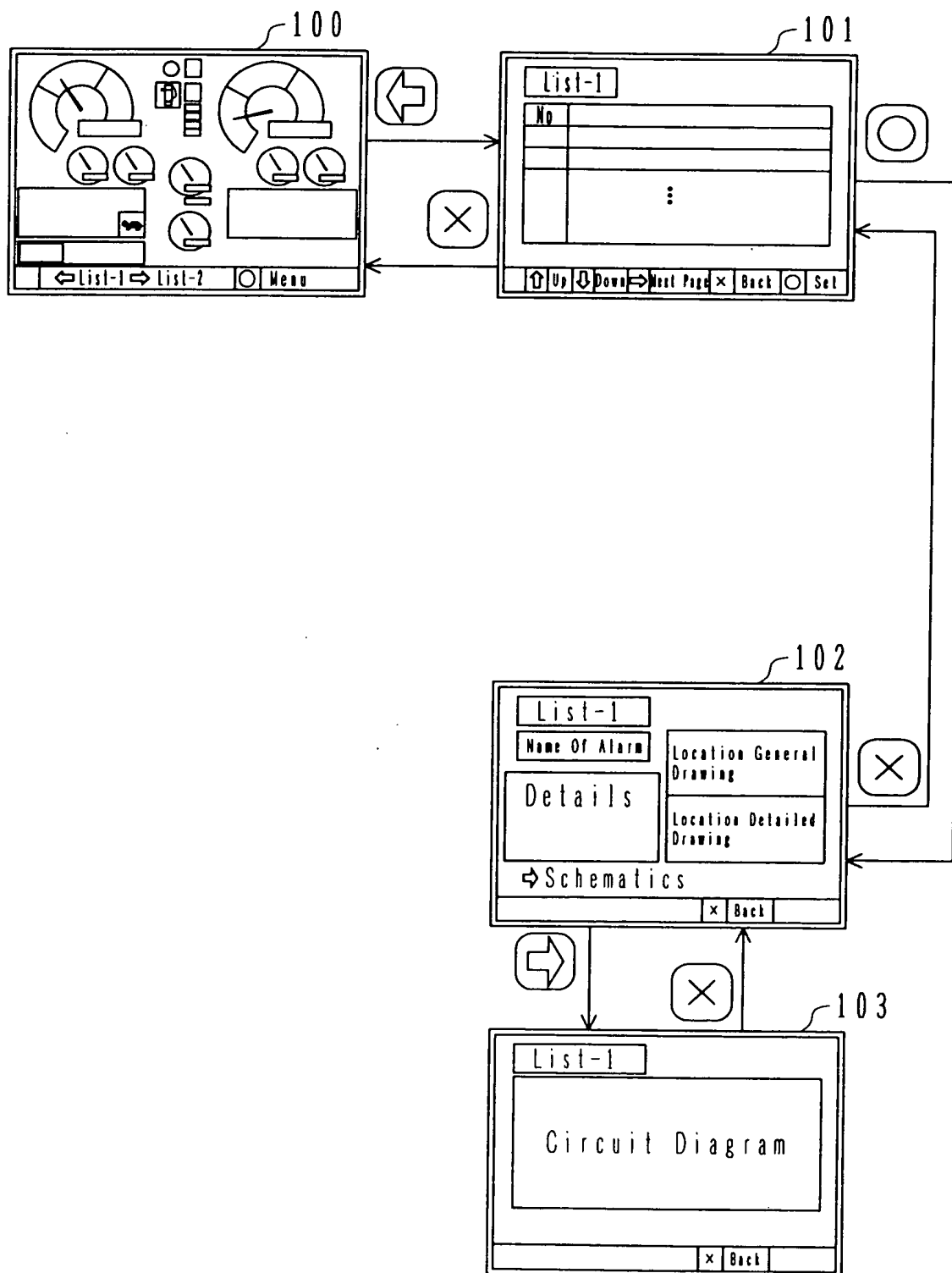


FIG. 11

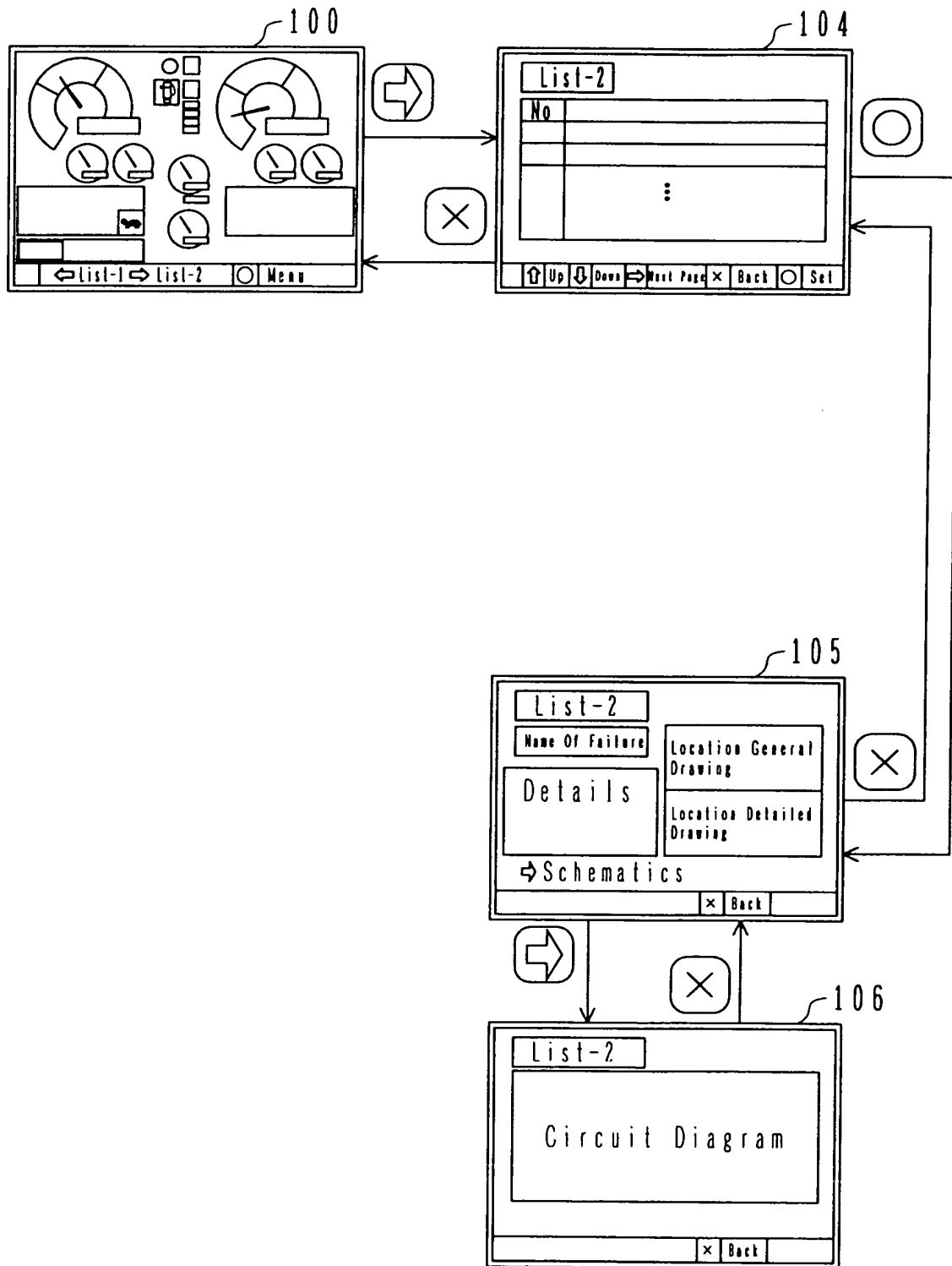


FIG. 12

MENU ITEM	SENSOR OUTPUT/STATE	SENSOR TYPE	REMARKS
ENGINE (1) OUTPUT DROP	ENGINE REVOLUTION SPEED	.....	
	THROTTLE POSITION	.....	
	INTAKE MANIFOLD TEMPERATURE	.....	
	INTERCOOLER INLET TEMPERATURE	.....	
	TURBO-BOOSTED PRESSURE	.....	
	ENGINE DERATED STATE	.....	
	ON/OFF-STATE OF OPERATION	.....	
	ETC.	.....	
ENGINE (2) OUTPUT DROP	ENGINE REVOLUTION SPEED	.....	
	THROTTLE POSITION	.....	
	INTAKE MANIFOLD TEMPERATURE	.....	
	INTERCOOLER INLET TEMPERATURE	.....	
	TURBO-BOOSTED PRESSURE	.....	
	ENGINE DERATED STATE	.....	
	ON/OFF-STATE OF OPERATION	.....	
	ETC.	.....	
DROP OF WORKING OIL HEAT BALANCE	WORKING OIL TEMPERATURE	.....	
	OIL COOLER INLET TEMPERATURE	.....	
	OIL COOLER OUTLET TEMPERATURE	.....	
	OIL COOLER OUTLET PRESSURE	.....	
	.....	.....	
	.....	.....	
	.....	.....	
	.....	.....	
EXHAUST TEMPERATURE (PER CYLINDER)	No. 1 TO 20 CYLINDERS	.....	DISPLAY MAX/MIN VALUES PER CYLINDER
FUEL CONSUMPTION (LOAD FACTOR)	ENGINE (1) REVOLUTION SPEED	.....	
	ENGINE (2) REVOLUTION SPEED	.....	
	ENGINE (1) FUEL CONSUMPTION	.....	DISPLAY MAX/MIN VALUES
	ENGINE (2) FUEL CONSUMPTION	.....	DISPLAY MAX/MIN VALUES
	ON/OFF-STATE OF OPERATION	.....	
BOOM-RAISING SPEED	BOOM ANGLE	.....	
	BOOM-RAISING OPERATION STATE	.....	
	TIME	.....	
SWING SPEED	SWING OPERATION STATE	.....	
	TIME	.....	
.....		.....	

FIG. 13

COOLING WATER  
OVERHEAT ALARM

PARAMETER	TARGET LOCATION/ FACTOR	USAGE/DETERMINATION ITEM
ATMOSPHERIC TEMPERATURE	BASIC PARAMETER	HEAT BALANCE CONFIRMATION PARAMETER
COOLING WATER TEMPERATURE AT UPPER MANIFOLD	RADIATOR	DISPLAY OF ENGINE DERATING CONTROL METER
AIR TEMPERATURE IN FRONT OF RADIATOR	RADIATOR	DETECTING OF CLOGGING, CRACKING, ETC. OF RADIATOR
RADIATOR OUTLET TEMPERATURE	RADIATOR	DIFFERENCE
INLET PRESSURE OF RADIATOR COOLER FAN MOTOR	FAN PUMP	PRESSURE DROPS IF PUMP EFFICIENCY LOWERS DUE TO FAN PUMP INTERNAL LEAK, ETC.
COOLING WATER PUMP DELIVERY PRESSURE / UPPER MANIFOLD PRESSURE	COOLING WATER PUMP	PRESSURIZED LEVEL OF COOLING WATER IS DETECTED, AND IF NOT PRESSURIZED, THERE IS LEAKAGE
ENGINE REVOLUTION SPEED	FAN PUMP / COOLING WATER PUMP	WHETHER ENGINE CONTROL IS NORMAL

ABNORMAL COMBUSTION AND  
INTAKE/EXHAUST ABNORMALITY ALARM

PARAMETER	TARGET LOCATION/ FACTOR	USAGE/DETERMINATION ITEM
EXHAUST TEMPERATURE (PER CYLINDER)	ABNORMAL COMBUSTION WITHIN CYLINDER	DETECT VARIATION WIDTH OF EXHAUST TEMPERATURE DURING ENGINE REVOLUTION
ENGINE REVOLUTION SPEED	REVOLUTION SENSOR	ACTUAL REVOLUTION SPEED FOR USE IN ENGINE CONTROL
BOOSTED PRESSURE		MONITOR INFLUENCE OF BOOSTED PRESSURE
INTAKE MANIFOLD INLET TEMPERATURE	INTAKE TEMPERATURE	MONITOR INFLUENCE OF INTAKE TEMPERATURE
ATMOSPHERIC PRESSURE	PRESSURE OF ATMOSPHERE	MONITOR INFLUENCE OF ATMOSPHERIC PRESSURE CHANGE
ENGINE LOAD FACTOR	ENGINE LOAD	SITUATION OF LOAD ACTING ENGINE

.....

.....

.....

FIG. 14

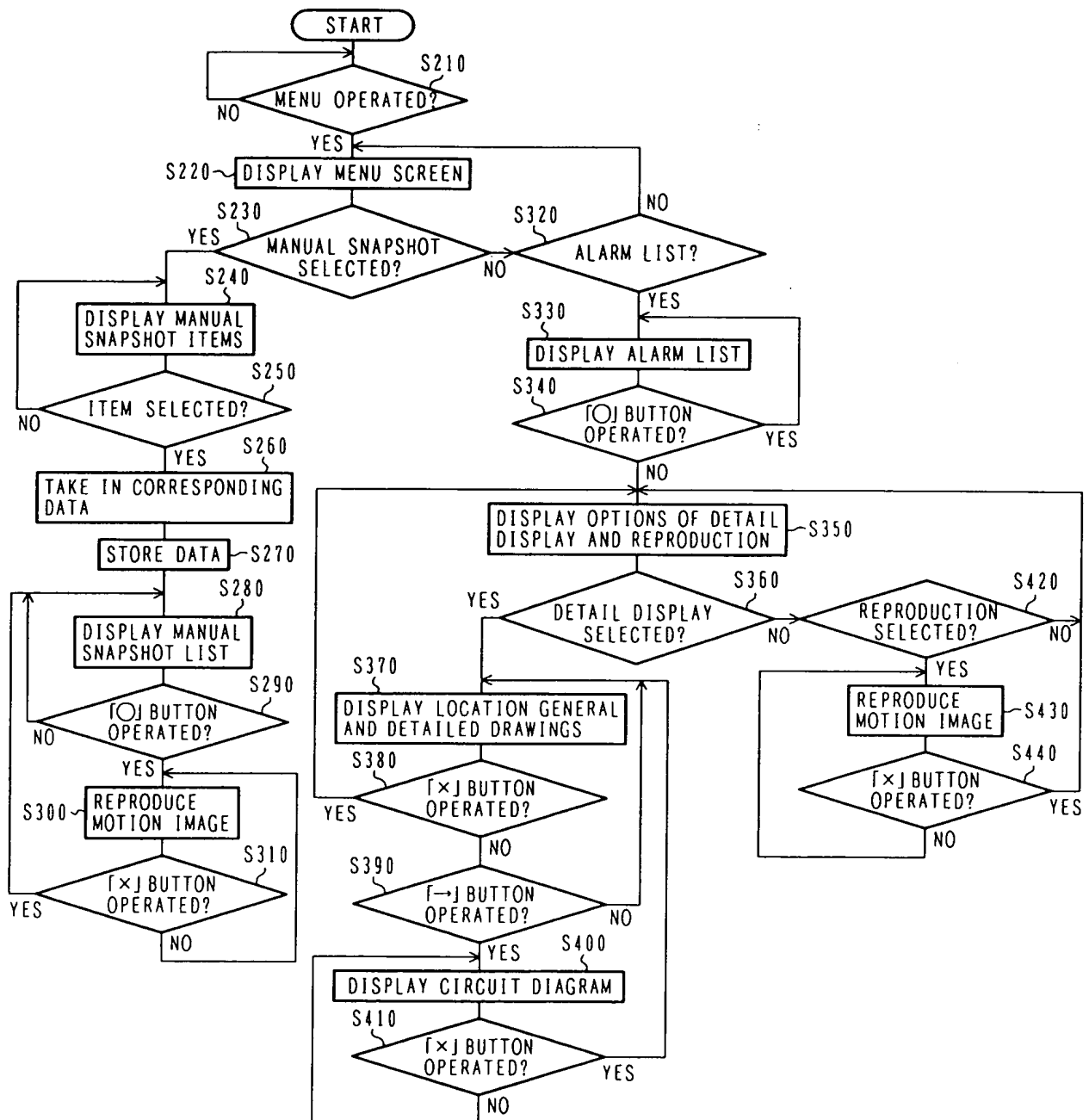


FIG. 15

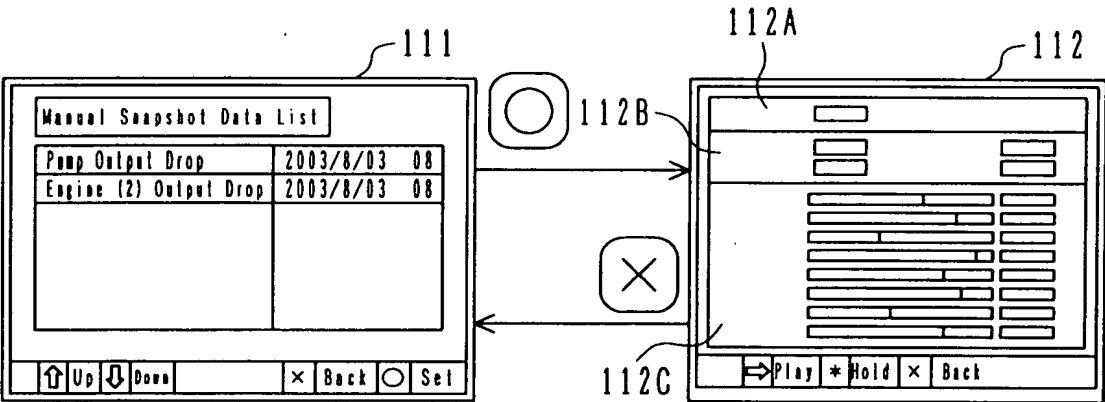


FIG. 16

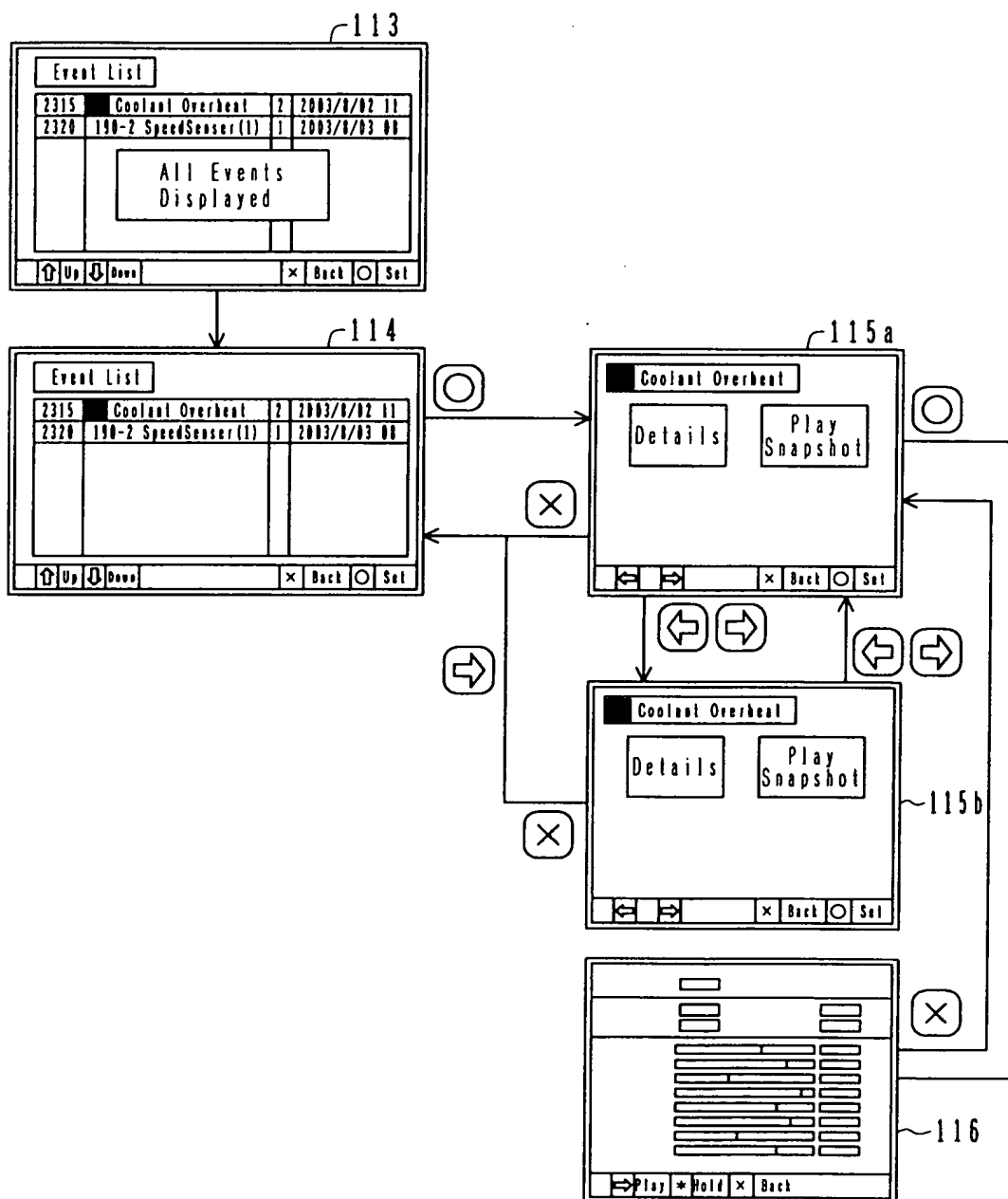


FIG. 17

